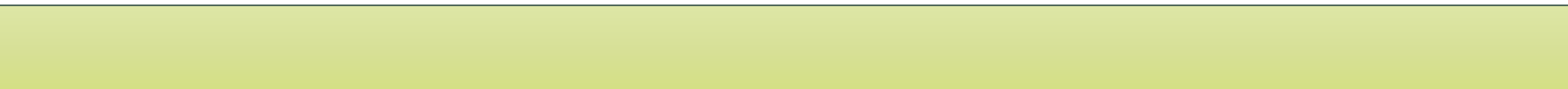




HTML Tags & Attributes, and HTML Coding

MMC5277 – Fall 2018



Main tags for all HTML documents

- DOCTYPE, html, head, title, and body
- DOCTYPE is mandatory- Always 1st Line
 - Not an HTML “tag”. It is an instruction to the web browser about what version of HTML the page is written in.
 - HTML 4.01
 - `<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">`
 - HTML 5
 - `<!DOCTYPE html>`

Main tags for all HTML documents

- HTML (Main/parent) – Always first tag
 - `<html> </html>`
- Head
 - Meta charset is mandatory to make it XHTML compliant
 - `<head> </head>`
- Title
 - Shows up in the browser tab on the top
 - `<title> </title>`
- Body
 - Where all your website content will go
 - `<body> </body>`

HTML5 Semantic Elements

- `<article>`
- `<aside>`
- `<details>`
- `<figcaption>`
- `<figure>`
- `<footer>`
- `<header>`
- `<main>`
- `<mark>`
- `<nav>`
- `<section>`
- `<summary>`
- `<time>`

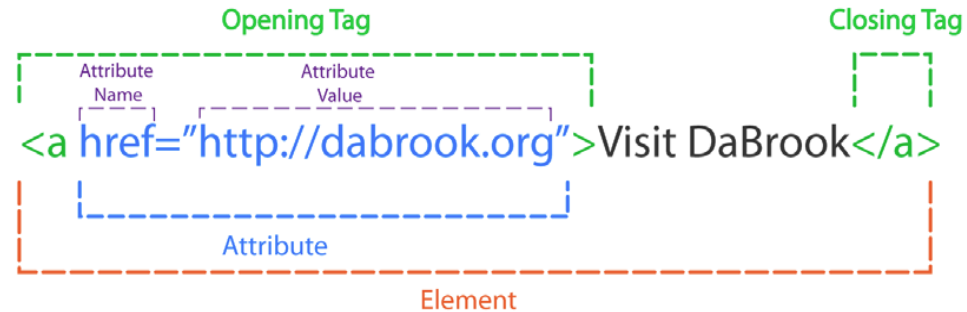
Div Tag

- Defines a division or a section in an HTML document
- Often used as a container for other HTML elements to style them with CSS or to perform certain tasks with JavaScript.
- `<div> </div>`

HTML Tag and Attributes Anatomy

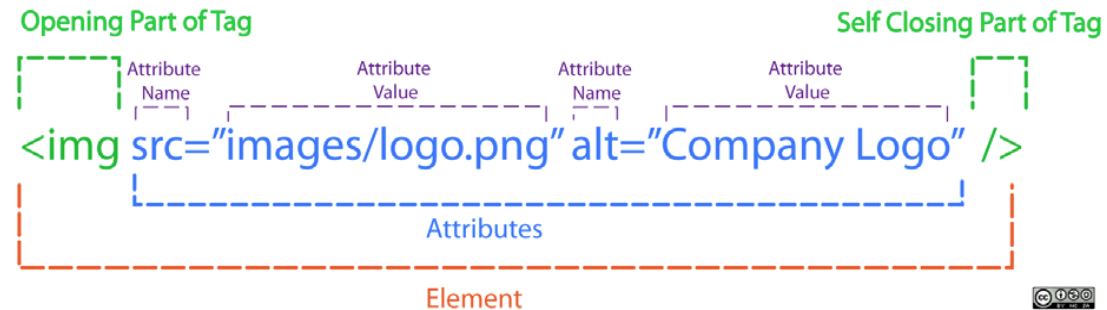
Basic Anatomy of XHTML Elements

Typical XHTML Element



Self Closing XHTML Element

NOTE: Self closing tags must close with a space, forward slash, and greater than sign. Don't forget the space.



Text Objects

- Paragraph
 - `<p>Text</p>`
 - Line break
 - `
`
- Headline Tags
 - `<h1><h2><h3><h4><h5><h6>`
 - `<h1>` is the largest, `<h6>` is the smallest
- Bold
 - `Bold`
- Italic
 - `Italic`
- Horizontal rule
 - `<hr />`
- Superscript
 - `^{Up Top}`
- Subscript
 - `_{Down below}`

HTML Entities

- Reserved characters in HTML must be replaced with character entities
 - Characters, not present on your keyboard, can also be replaced by entities
- If you use the less than or greater than signs in your text, the browser might mix them with tags
- `<p>© 2016</p>`

	non-breaking space	
<	less than	<
>	greater than	>
&	ampersand	&
¢	cent	¢
£	pound	£
¥	yen	¥
€	euro	€
©	copyright	©
®	registered trademark	®

HTML Code Commenting

- Comments are not displayed by the browser, but they can help document your HTML.
- With comments you can place notifications and reminders in your HTML.
- Example: `<!-- This is a comment -->`

Links

- Mailto:
 - <https://css-tricks.com/snippets/html/mailto-links>
- Relative Links (local) vs Absolute (remote)
 - <http://www.coffeecup.com/help/articles/absolute-vs-relative-pathslinks>